

Title (en)

A method and system for reducing video resolution

Title (de)

Verfahren und System zur Reduzierung der Videoauflösung

Title (fr)

Procédé et système pour la réduction de résolution vidéo

Publication

EP 2924658 A1 20150930 (EN)

Application

EP 14461520 A 20140328

Priority

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Abstract (en)

A method for reducing video resolution, comprising the steps of processing frames of the video sequence by: creating a details bitmap (D), having values of pixels dependent on the amount of details at a particular area of the video frame; creating a net (N) of regularly distributed nodes and deforming the position of nodes according to the contents of the details bitmap (D) such that the nodes are brought closer to each other at the places wherein the details bitmap (D) indicates higher amount of details; morphing the frame to a modified frame (PB') using morphing based on the net N; and scaling down the modified frame (PB') to obtain a reduced frame (PB").

IPC 8 full level

G06T 9/00 (2006.01); **H04N 19/132** (2014.01); **H04N 19/182** (2014.01); **H04N 19/59** (2014.01); **H04N 19/85** (2014.01)

CPC (source: EP)

G06T 9/001 (2013.01); **H04N 19/132** (2014.11); **H04N 19/182** (2014.11); **H04N 19/59** (2014.11); **H04N 19/85** (2014.11)

Citation (applicant)

WO 2013017565 A1 20130207 - ADVANCED DIGITAL BROADCAST SA [CH], et al

Citation (search report)

- [YA] US 5253059 A 19931012 - ANSARI RASHID [US], et al
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Designated contracting state (EPC)

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BA ME

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